



PCT

## RAW SEQUENCE LISTING

DATE: 09/23/2004

PATENT APPLICATION: US/10/507,385

TIME: 11:56:36

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09232004\J507385.raw

3 <110> APPLICANT: The Government of the United States of America as  
 4 Represented by the Secretary of the Department of Health and  
 5 Human Services  
 6 Yoshimura, Teizo  
 8 <120> TITLE OF INVENTION: USE OF DISCOIDIN DOMAIN RECEPTOR 1 (DDR1) AND AGENTS THAT  
 AFFECT  
 9 THE DDR1/COLLAGEN PATHWAY  
 11 <130> FILE REFERENCE: 4239-64104-02  
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/507,385  
 C--> 14 <141> CURRENT FILING DATE: 2004-09-09  
 16 <150> PRIOR APPLICATION NUMBER: US 60/363,734  
 17 <151> PRIOR FILING DATE: 2002-03-12  
 19 <150> PRIOR APPLICATION NUMBER: US 60/380,978  
 20 <151> PRIOR FILING DATE: 2002-05-15  
 22 <150> PRIOR APPLICATION NUMBER: US 60/419,179  
 23 <151> PRIOR FILING DATE: 2002-10-16  
 25 <160> NUMBER OF SEQ ID NOS: 16  
 27 <170> SOFTWARE: PatentIn version 3.2  
 29 <210> SEQ ID NO: 1  
 30 <211> LENGTH: 6  
 31 <212> TYPE: PRT  
 32 <213> ORGANISM: Artificial sequence  
 34 <220> FEATURE:  
 35 <223> OTHER INFORMATION: concensus binding motif  
 38 <220> FEATURE:  
 39 <221> NAME/KEY: MISC\_FEATURE  
 40 <222> LOCATION: (2)..(2)  
 41 <223> OTHER INFORMATION: Xaa is unknown  
 43 <220> FEATURE:  
 44 <221> NAME/KEY: MISC\_FEATURE  
 45 <222> LOCATION: (2)..(2)  
 46 <223> OTHER INFORMATION: Xaa is unknown or other  
 48 <220> FEATURE:  
 49 <221> NAME/KEY: MISC\_FEATURE  
 50 <222> LOCATION: (5)..(5)  
 51 <223> OTHER INFORMATION: Xaa is unknown  
 53 <400> SEQUENCE: 1  
 W--> 55 Leu Xaa Asn Pro Xaa Tyr  
 56 1 5  
 59 <210> SEQ ID NO: 2  
 60 <211> LENGTH: 20  
 61 <212> TYPE: DNA  
 62 <213> ORGANISM: Artificial sequence  
 64 <220> FEATURE:

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/507,385

DATE: 09/23/2004

TIME: 11:56:36

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09232004\J507385.raw

```

65 <223> OTHER INFORMATION: sense primer
67 <400> SEQUENCE: 2
68 ctttactgct gctgctcttg                20
71 <210> SEQ ID NO: 3
72 <211> LENGTH: 20
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: antisense primer
79 <400> SEQUENCE: 3
80 ttgctccatc ccacatagtc                20
83 <210> SEQ ID NO: 4
84 <211> LENGTH: 20
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: sense primer
91 <400> SEQUENCE: 4
92 gctcctgctg ctcacattg                20
95 <210> SEQ ID NO: 5
96 <211> LENGTH: 20
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: antisense primer
103 <400> SEQUENCE: 5
104 taatggggga cgctgttctg                20
107 <210> SEQ ID NO: 6
108 <211> LENGTH: 12
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: synthetic peptide
115 <400> SEQUENCE: 6
117 Cys Val Pro Asn Gly Ser Ala Tyr Ser Gly Asp Tyr
118 1          5          10
121 <210> SEQ ID NO: 7
122 <211> LENGTH: 17
123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: synthetic peptide
129 <400> SEQUENCE: 7
131 Cys Ala Arg Pro Arg Gly Pro Gly Pro Pro Thr Pro Ala Trp Ala
132 1          5          10          15
135 Lys
139 <210> SEQ ID NO: 8
140 <211> LENGTH: 17
141 <212> TYPE: PRT

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/507,385

DATE: 09/23/2004

TIME: 11:56:36

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09232004\J507385.raw

```

142 <213> ORGANISM: Artificial sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: synthetic peptide
147 <400> SEQUENCE: 8
149 Pro Arg Gly Pro Gly Pro Pro Thr Pro Ala Trp Ala Lys Pro Thr Asn
150 1          5          10          15
153 Cys
157 <210> SEQ ID NO: 9
158 <211> LENGTH: 20
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: forward PCR primer
165 <400> SEQUENCE: 9
166 tttctgggca cccgcctcac                                20
169 <210> SEQ ID NO: 10
170 <211> LENGTH: 20
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: reverse PCR primer
177 <400> SEQUENCE: 10
178 ctgggggaag gtggctgaga                                20
181 <210> SEQ ID NO: 11
182 <211> LENGTH: 18
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: forward primer
189 <400> SEQUENCE: 11
190 cggatttggt cgtattgg                                18
193 <210> SEQ ID NO: 12
194 <211> LENGTH: 18
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: reverse primer
201 <400> SEQUENCE: 12
202 tcctggaaga tggatgatg                                18
205 <210> SEQ ID NO: 13
206 <211> LENGTH: 25
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: sense primer
213 <400> SEQUENCE: 13
214 cgtatggcag gacaaatgct tcttc                                25
217 <210> SEQ ID NO: 14
218 <211> LENGTH: 21

```

## RAW SEQUENCE LISTING

DATE: 09/23/2004

PATENT APPLICATION: US/10/507,385

TIME: 11:56:36

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09232004\J507385.raw

219 <212> TYPE: DNA  
220 <213> ORGANISM: Artificial sequence  
222 <220> FEATURE:  
223 <223> OTHER INFORMATION: antisense primer  
225 <400> SEQUENCE: 14  
226 ttccctccag gctgccatga g 21  
229 <210> SEQ ID NO: 15  
230 <211> LENGTH: 22  
231 <212> TYPE: DNA  
232 <213> ORGANISM: Artificial sequence  
234 <220> FEATURE:  
235 <223> OTHER INFORMATION: oligonucleotide probe  
237 <400> SEQUENCE: 15  
238 agttgagggg actttcccag gc 22  
241 <210> SEQ ID NO: 16  
242 <211> LENGTH: 20  
243 <212> TYPE: DNA  
244 <213> ORGANISM: Artificial sequence  
246 <220> FEATURE:  
247 <223> OTHER INFORMATION: oligonucleotide probe  
249 <400> SEQUENCE: 16  
250 agagtgggaa tttccactca 20

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 09/23/2004

PATENT APPLICATION: US/10/507,385

TIME: 11:56:37

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09232004\J507385.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,5

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/507,385

DATE: 09/23/2004

TIME: 11:56:37

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09232004\J507385.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:55 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0